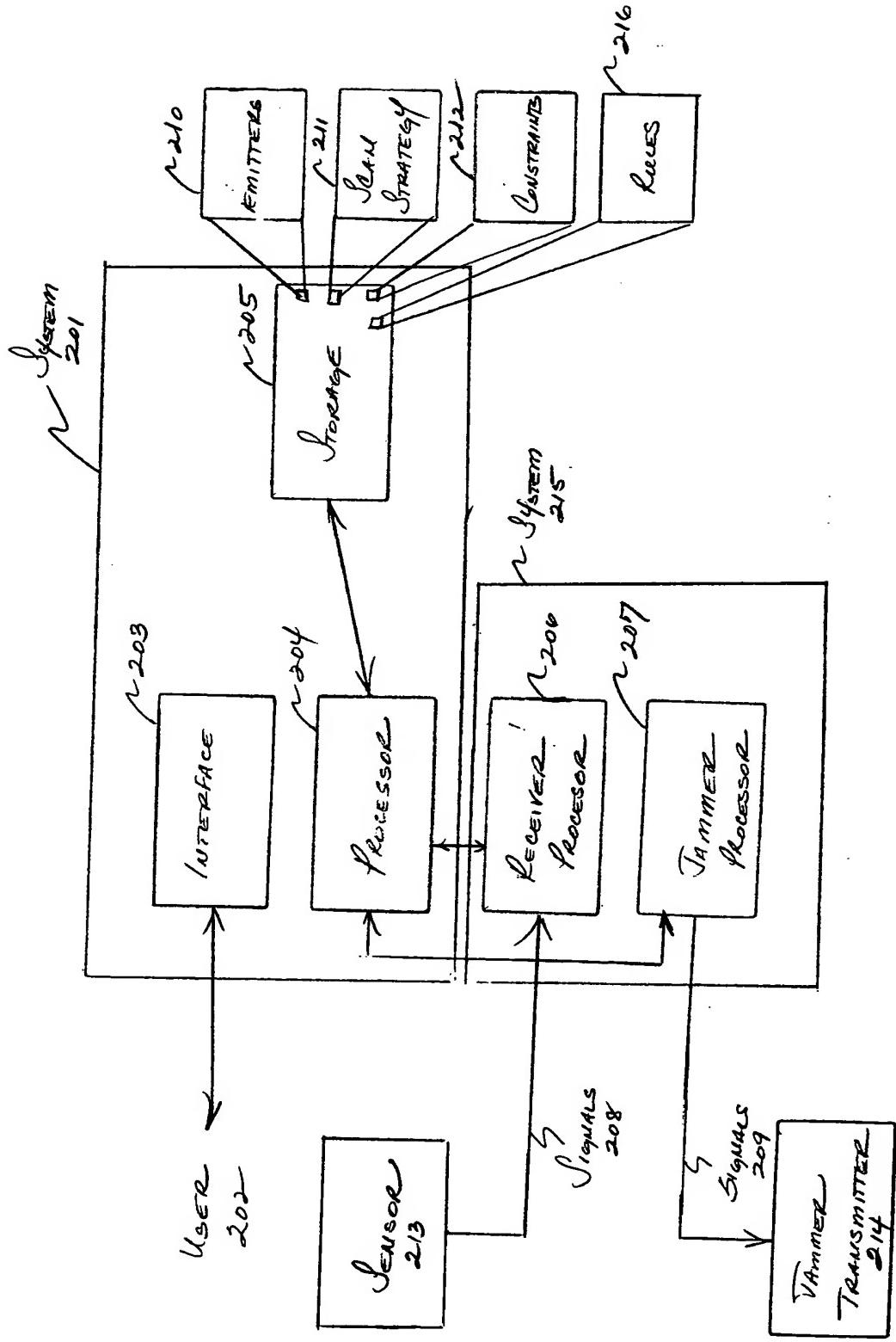


Figure 1



Page 2

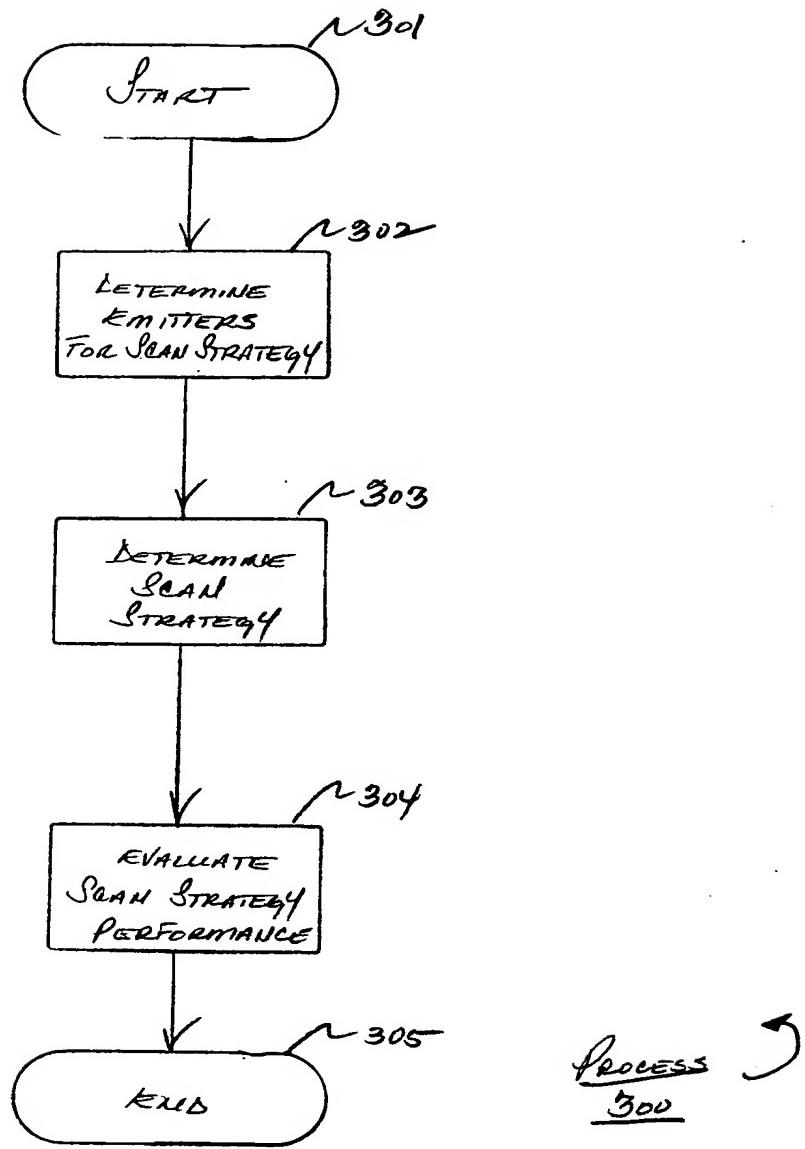
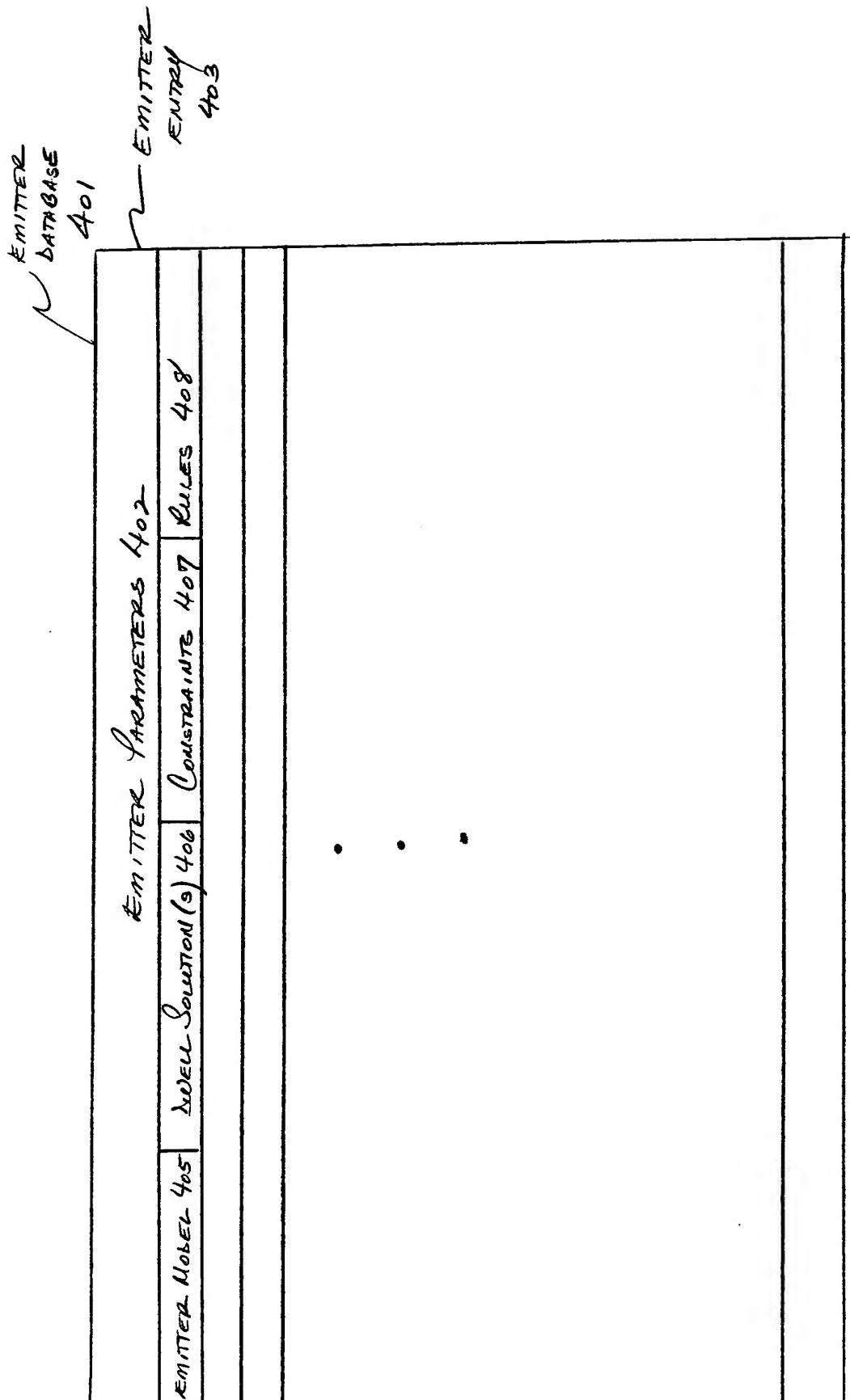


Figure 3



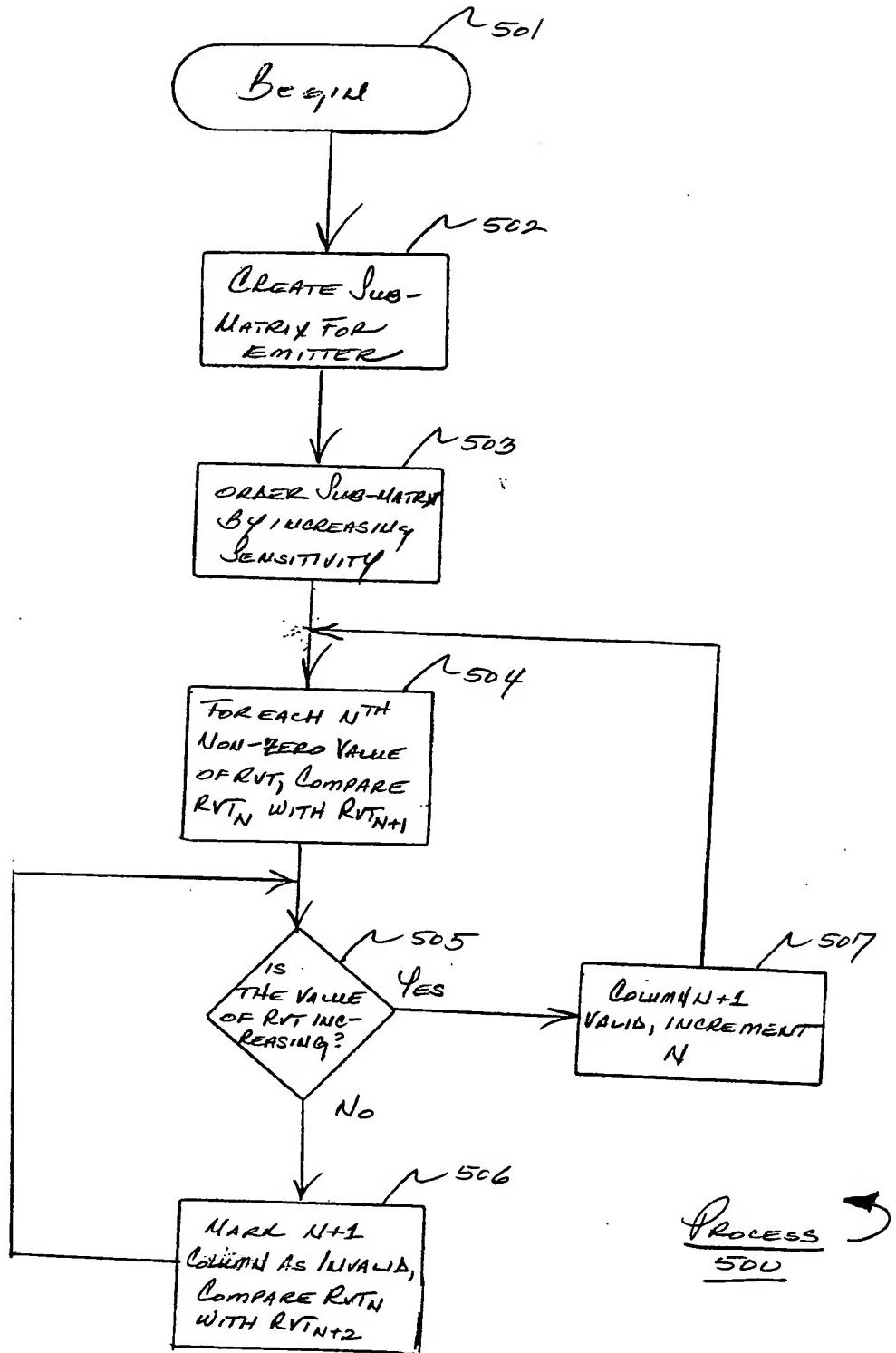


Figure 5

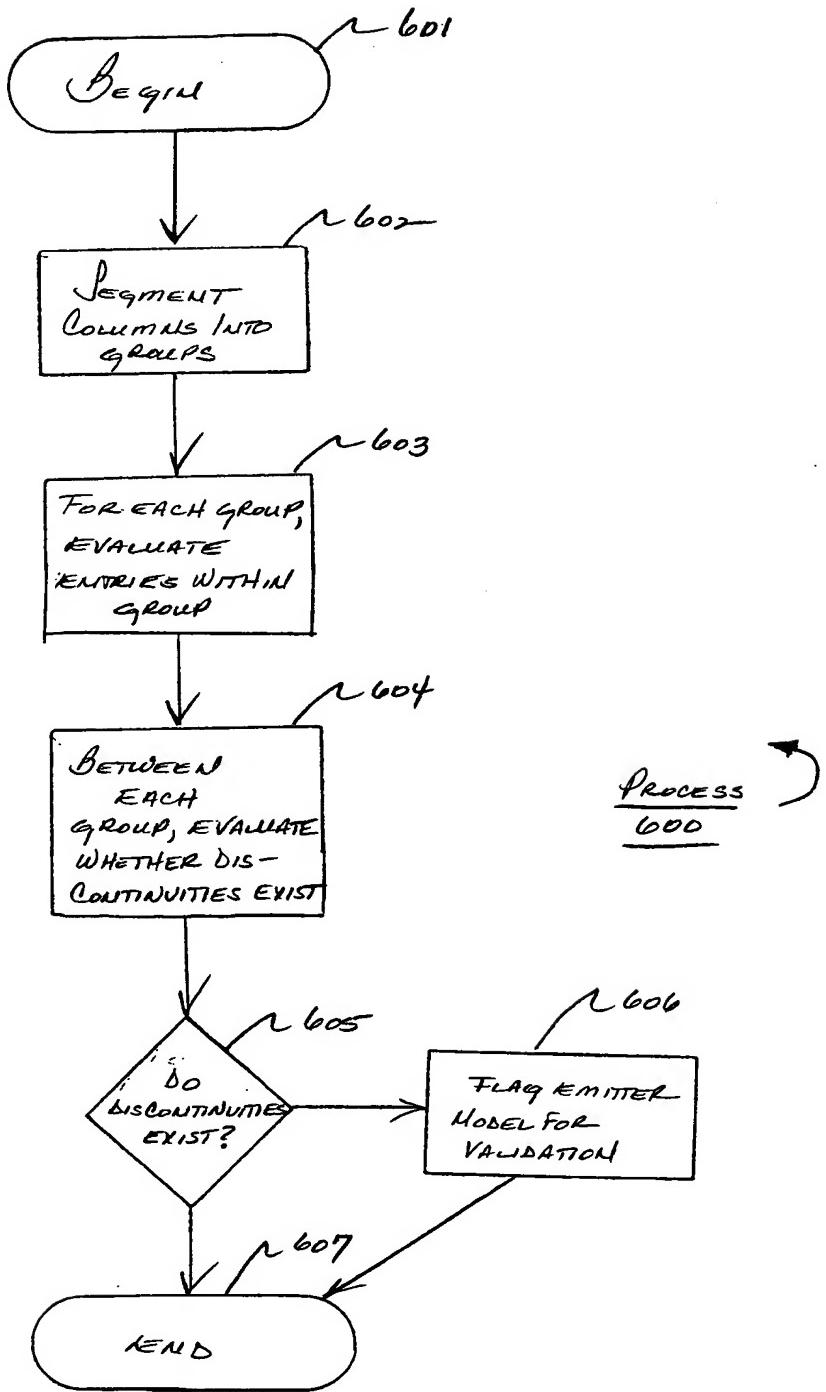


Figure 6

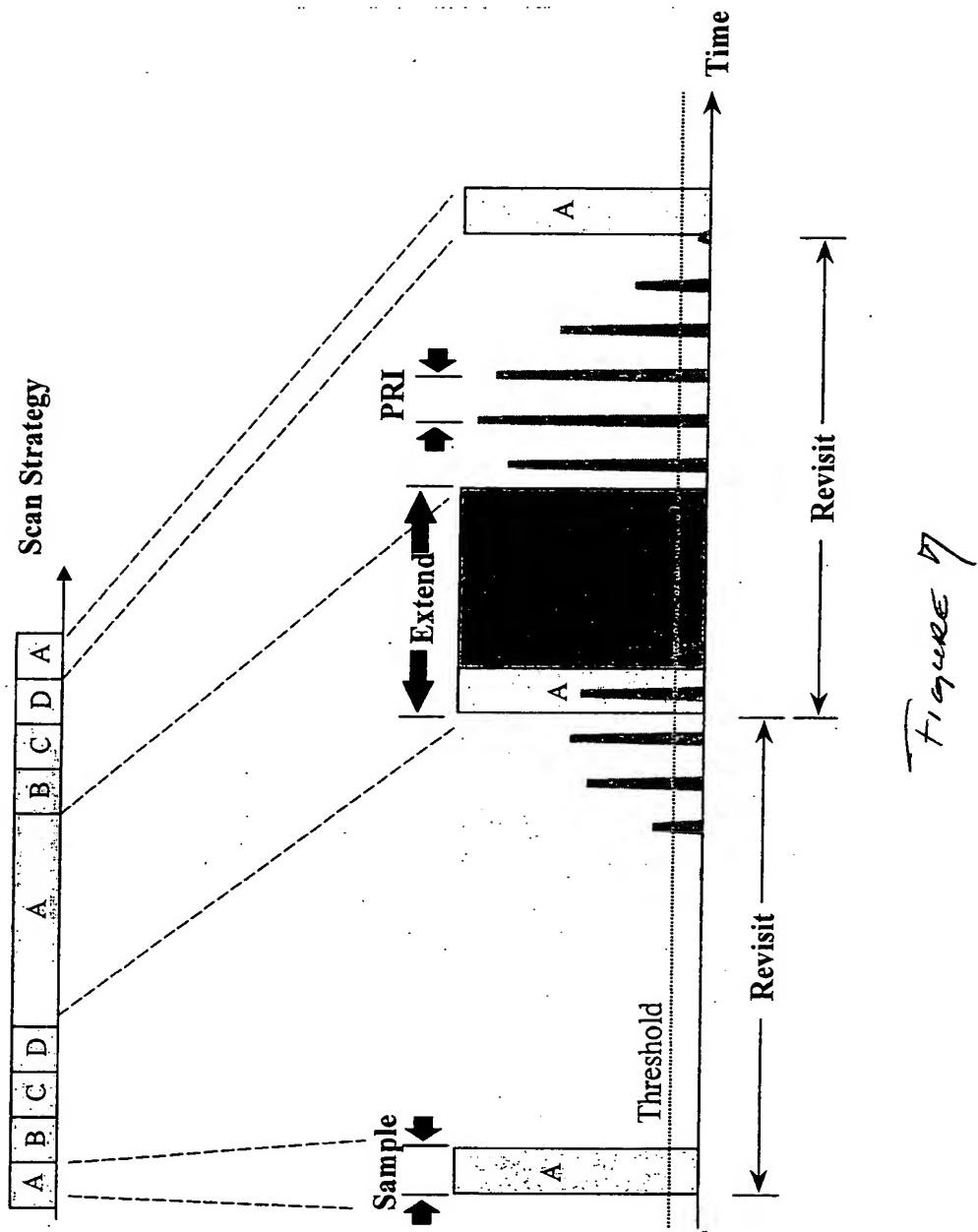


Figure 7

Figure 8A

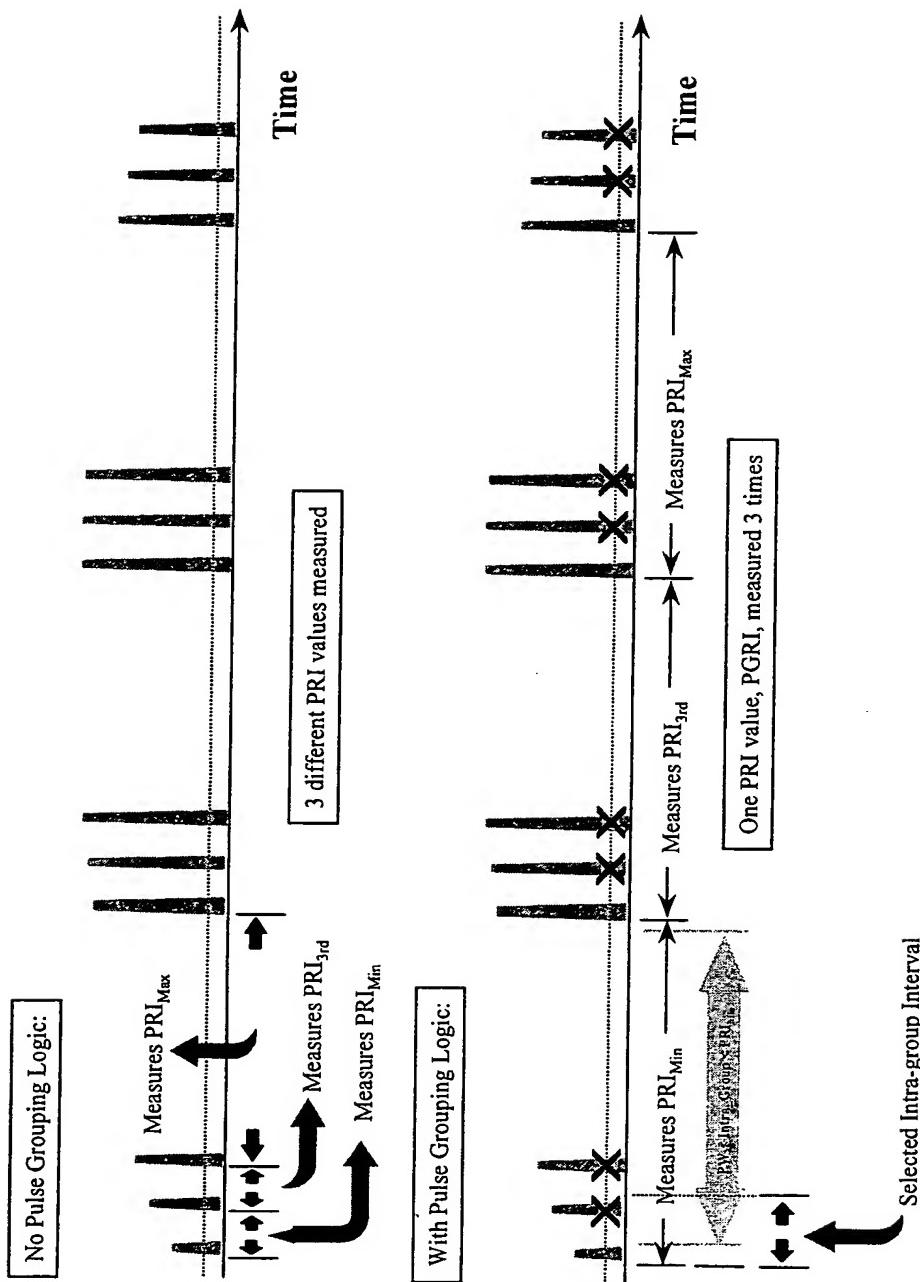
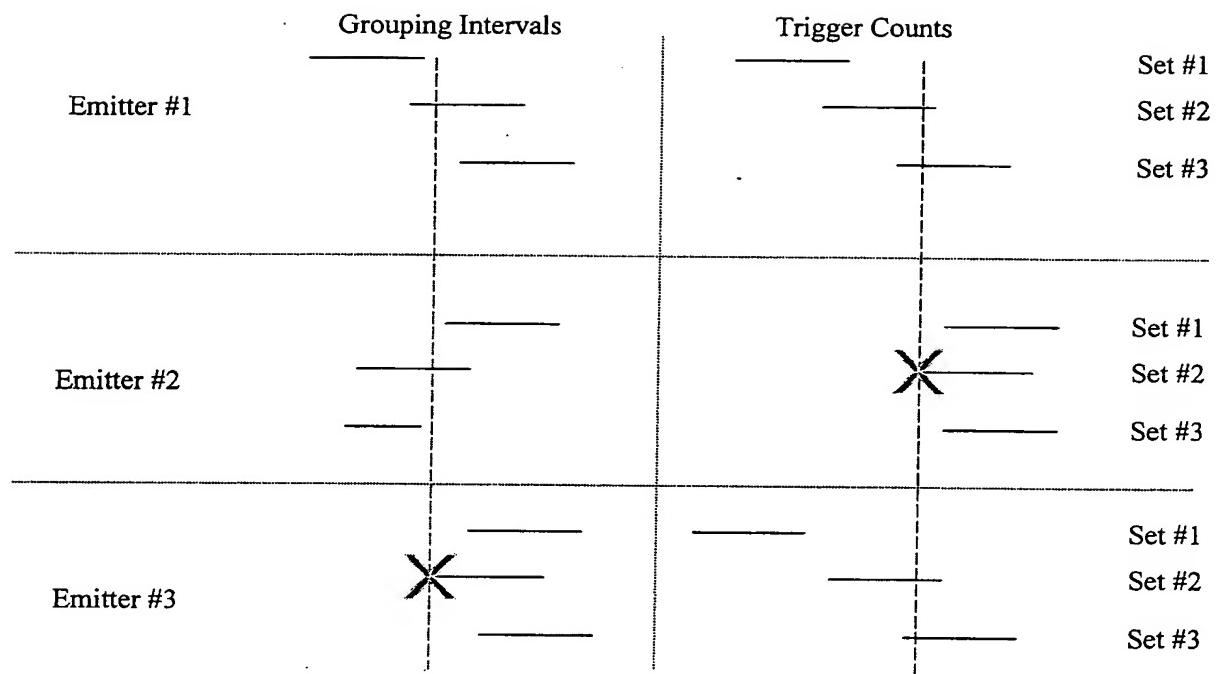
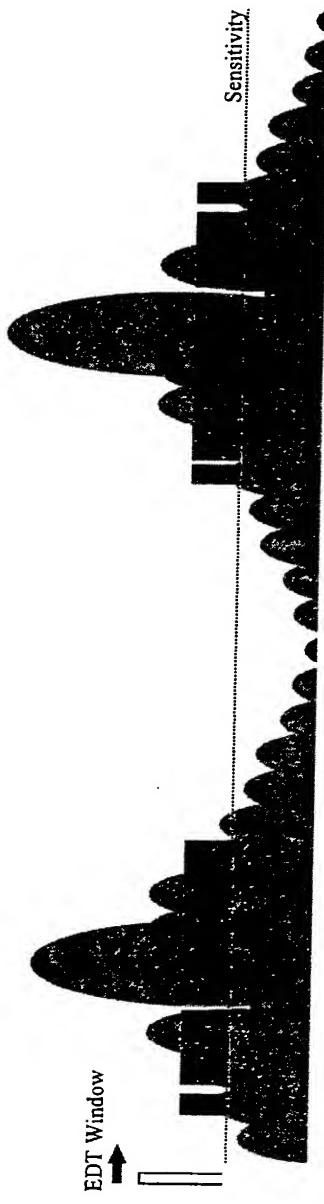


Figure 8B



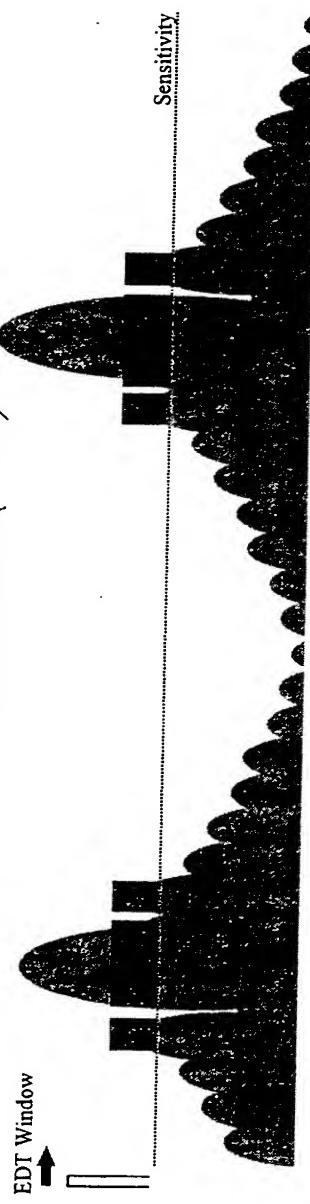
*Figure 9*

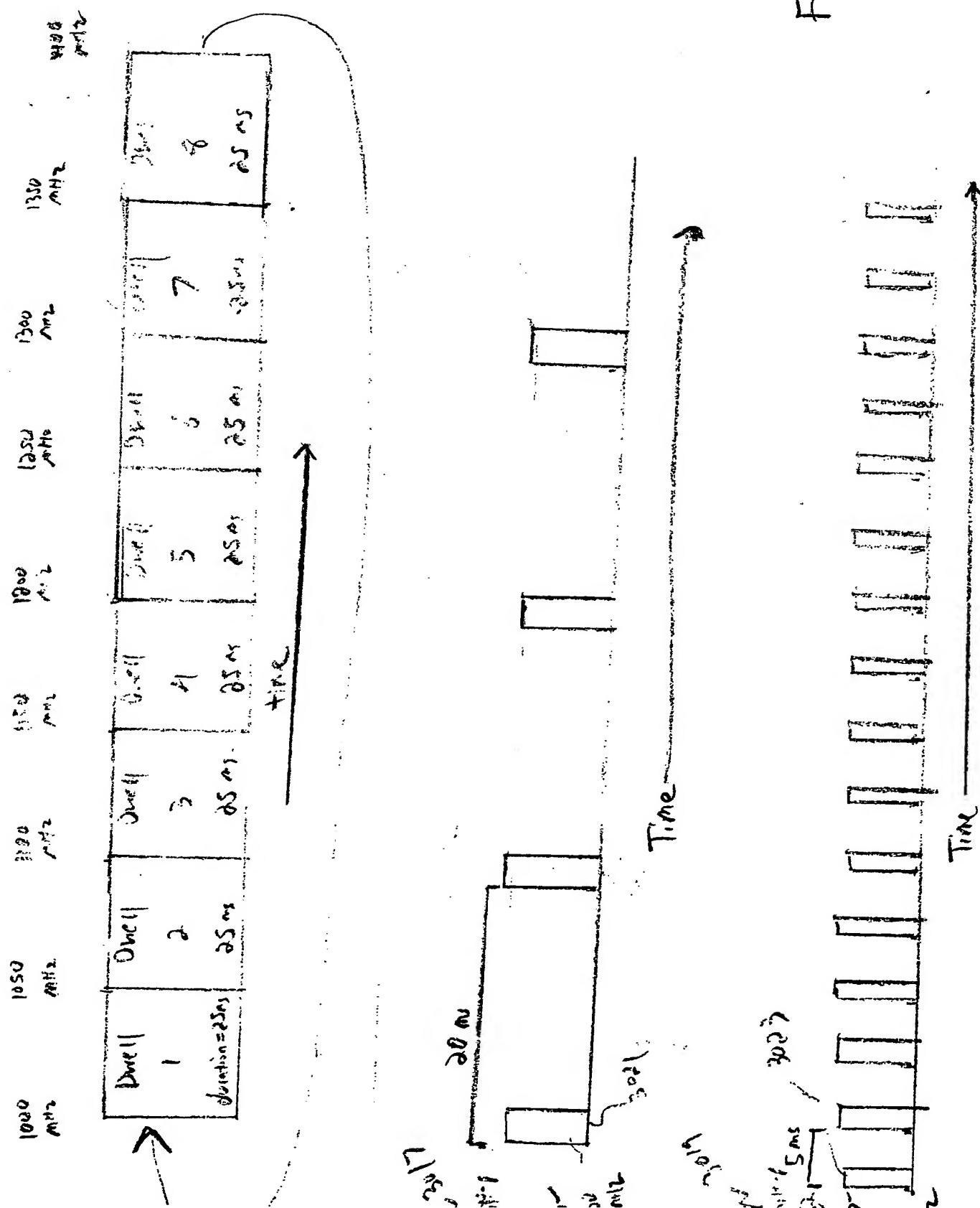
Figure  
10A



*Discrete Illuminations (TIBS)*

Figure  
10B





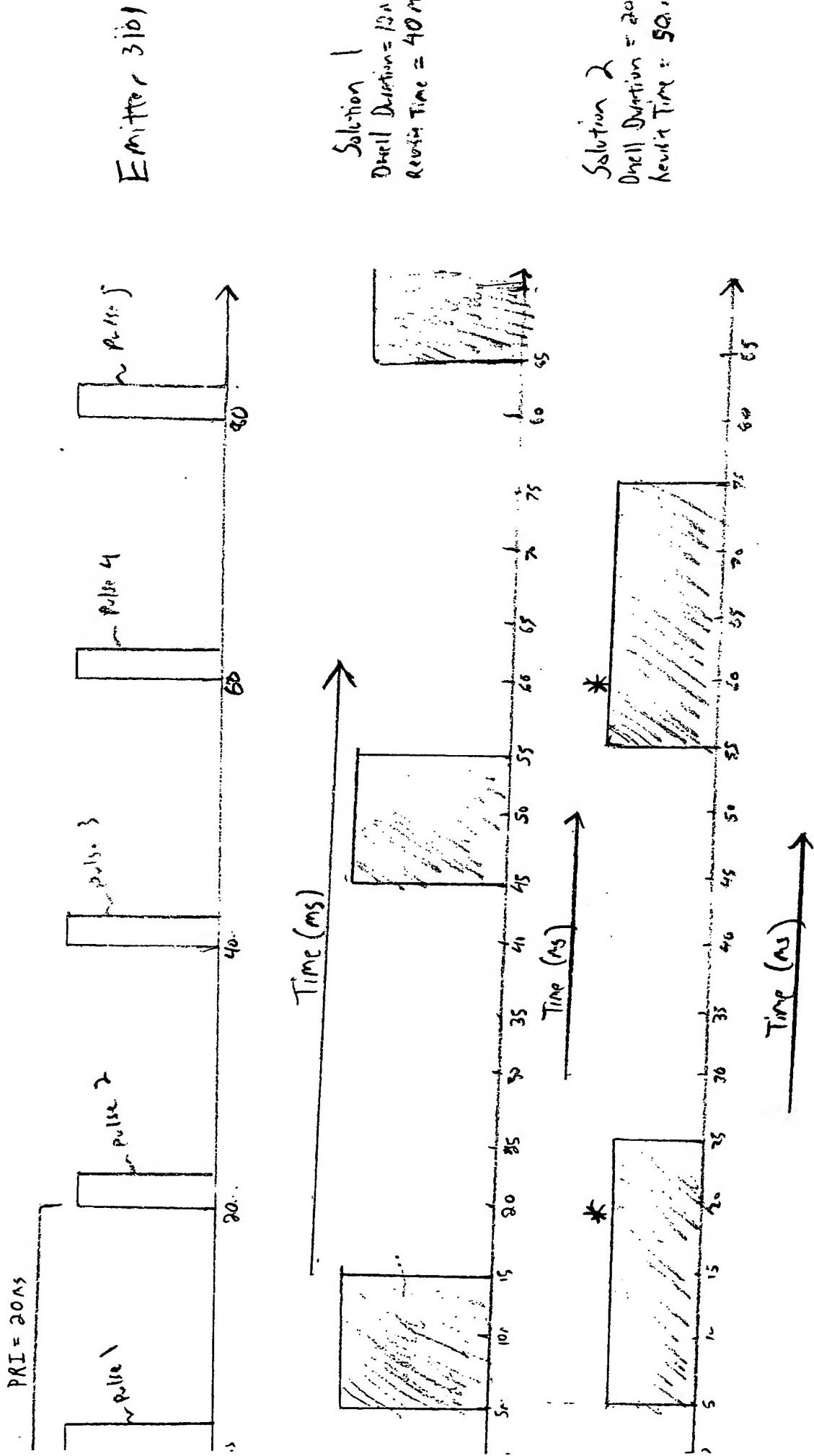


Figure 1d

Figure B

4000

Emitter Name	Operating Frequency 250 mHz IF 15 mHz VSWR	RF Min 30 mHz IF 15 mHz VSWR	RF Max (MHz)	MDT (ns)	MDT (ns)
E1	100 ns	650 ns	1000	1300	3
E2	180 ns	780 ns	1220	1350	5
E3	110 ns	330 ns	1510	1910	2
E4	130 ns	390 ns	1730	1860	4

Dwell 1	
$DD_{max} = 5$	
$RVT_{min} = 100$	

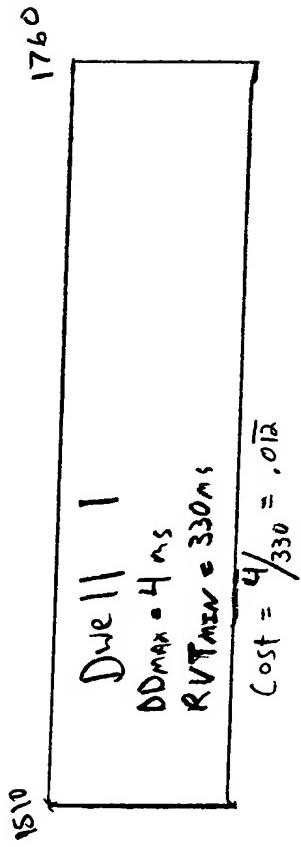
$$\text{Cost} = \frac{5}{100} = .05$$

Dwell	DD <sub>max</sub>	RVT <sub>min</sub>	Cost
Dwell 1	3	650	$\frac{3}{650}$
Dwell 2	3	650	$\frac{3}{650}$
Dwell 3	3	650	$\frac{3}{650}$
Dwell 4	3	650	$\frac{3}{650}$
Dwell 5	3	650	$\frac{3}{650}$
Dwell 6	3	650	$\frac{3}{650}$
Dwell 7	3	650	$\frac{3}{650}$
Dwell 8	5	650	$\frac{5}{650}$
			$\frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{5}{650} = \frac{31}{650} \approx .048$
			<u>Total Cost</u>

Solution 1

Solution 2

Figure 14A



Solution 1

Dwell 1	Dwell 2	Dwell 3	Dwell 4	Dwell 5	Dwell 6	Dwell 7	Dwell 8	Dwell 9
$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2	$DD_{max}$ 2
$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms	$RVT_{max}$ 330 ms
Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
$\frac{1}{330} + \frac{1}{330} + \frac{1}{330}$								

Solution 2

Figure 14B

Figure 15

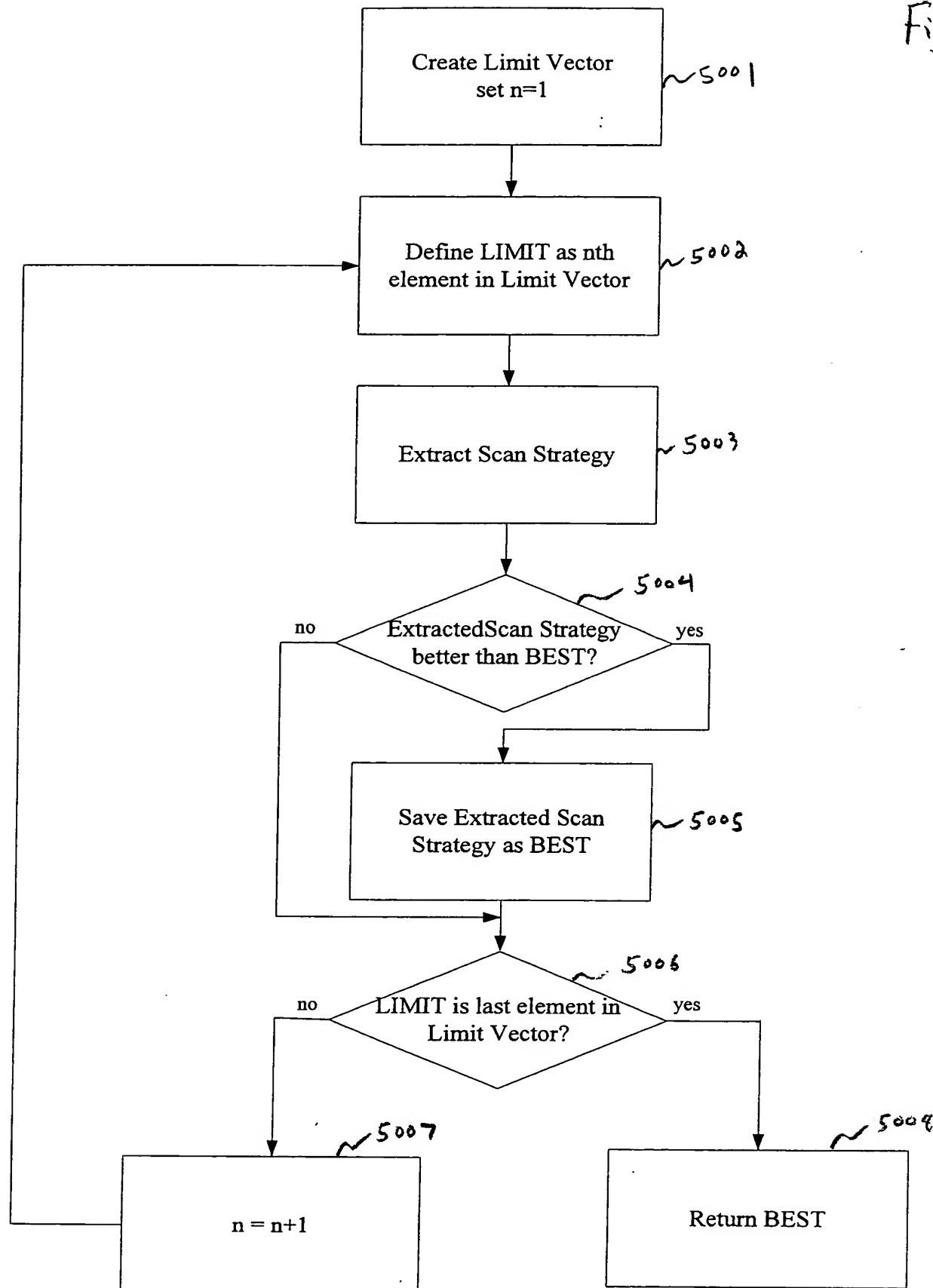
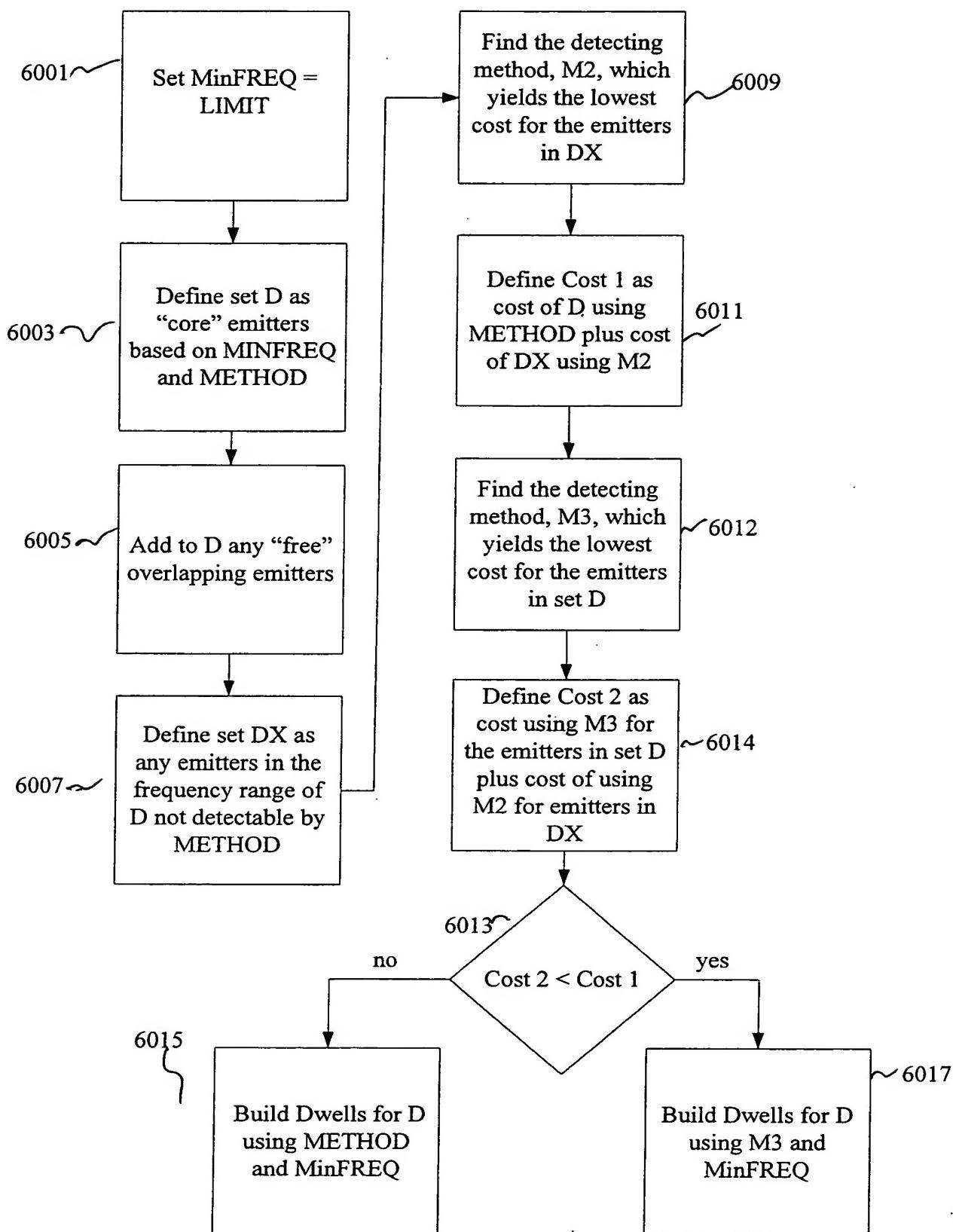


Figure 16



Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

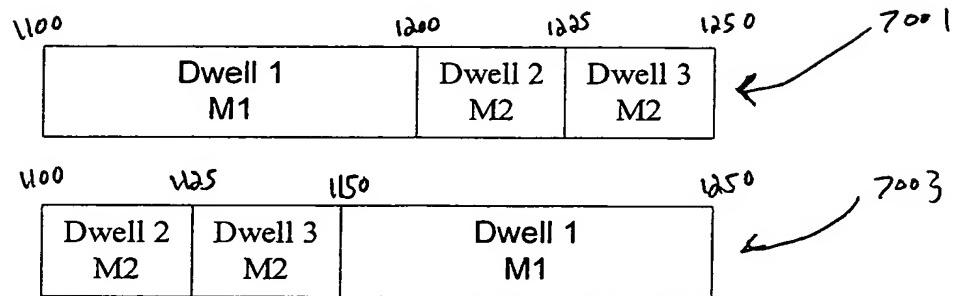
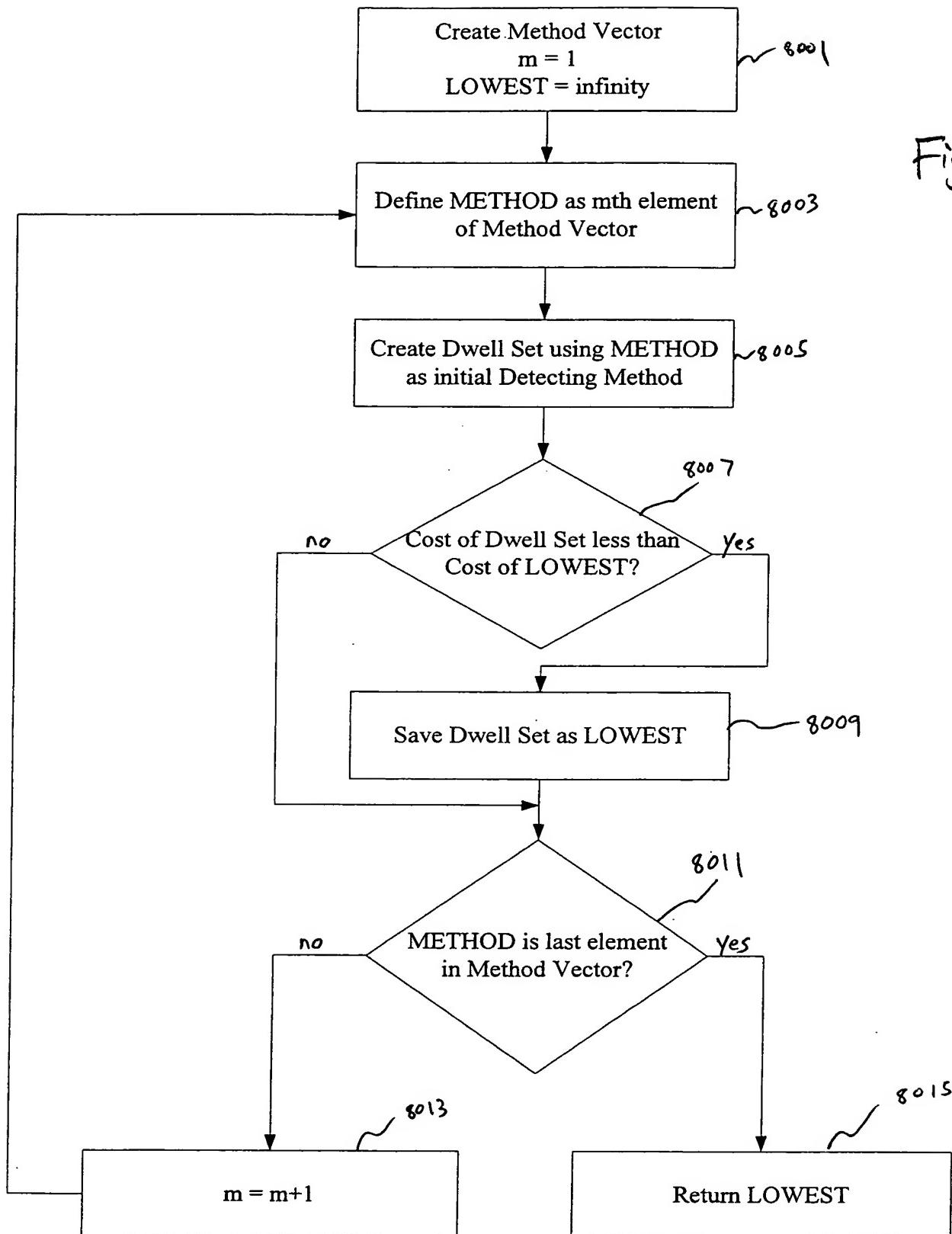


Figure 17

Figure 18



Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

Figure 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

Figure 20

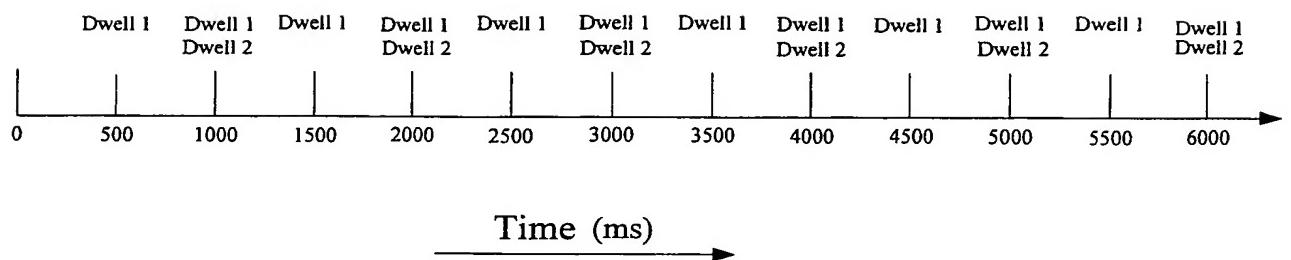


Figure 21

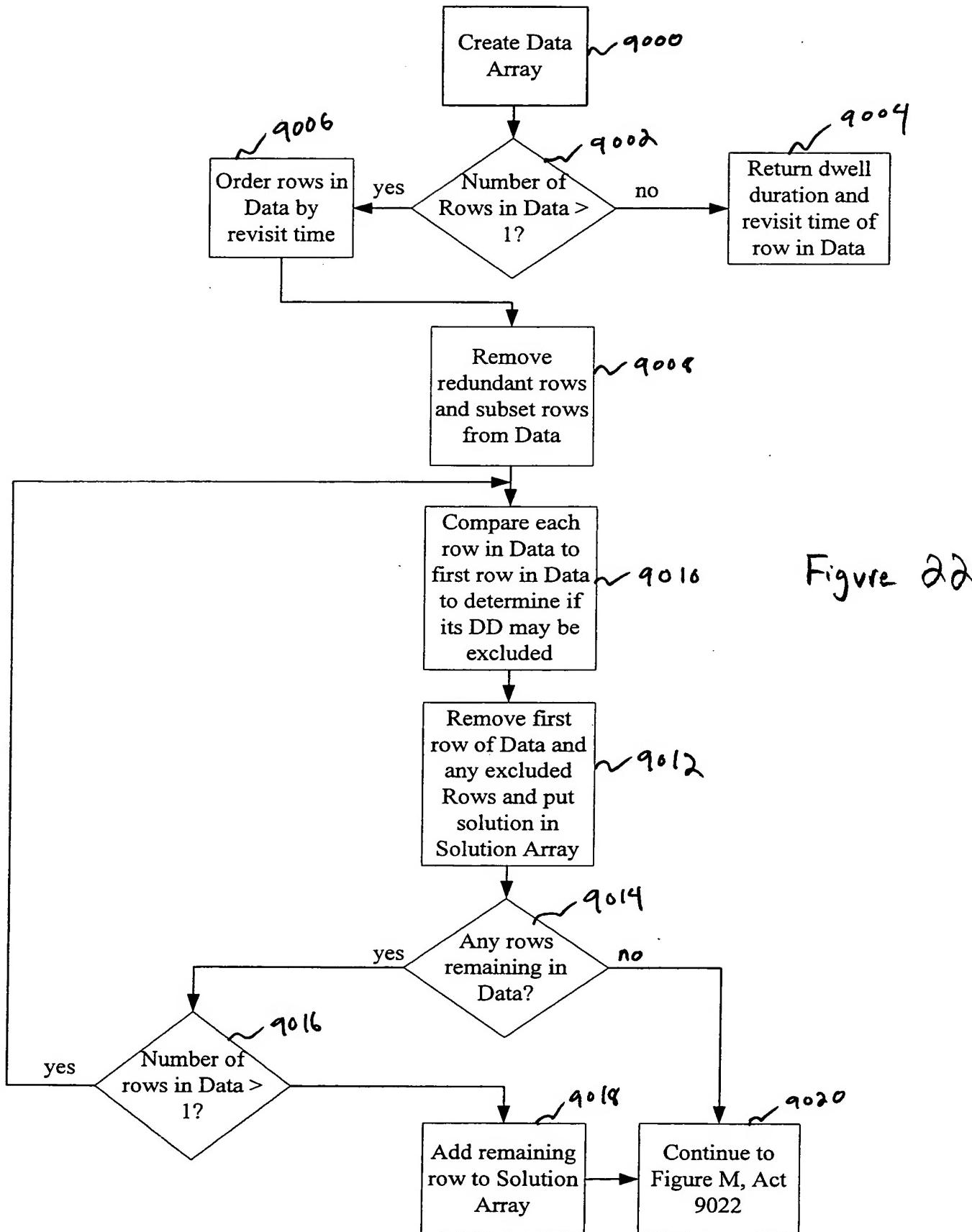


Figure 22

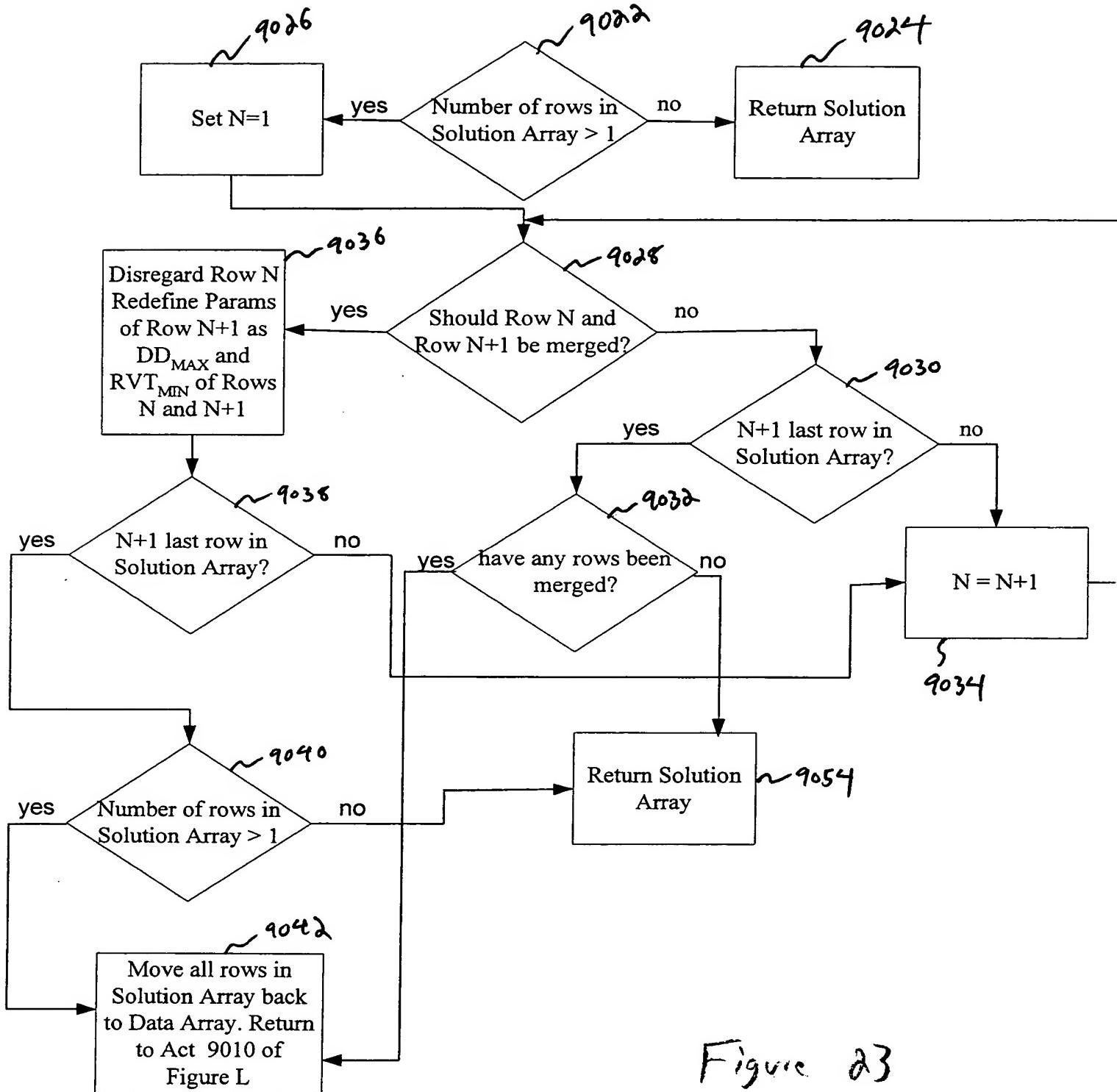


Figure 23

9044

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000

Figure 24A

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3	19	2000
3.05	17	2868

Figure 24B

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
3	19	2000
3.05	17	2868

Figure 24C

~9044

Data		
MDT	EDT	RVT
2	9	700
2.3	11	800

~9046

Solution		
MDT	EDT	RVT
1	19	500

Figure 24D

~9044

Data		
MDT	EDT	RVT
1	19	500

9046

Solution		
MDT	EDT	RVT
2	11	700

Figure 24E

~9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24F

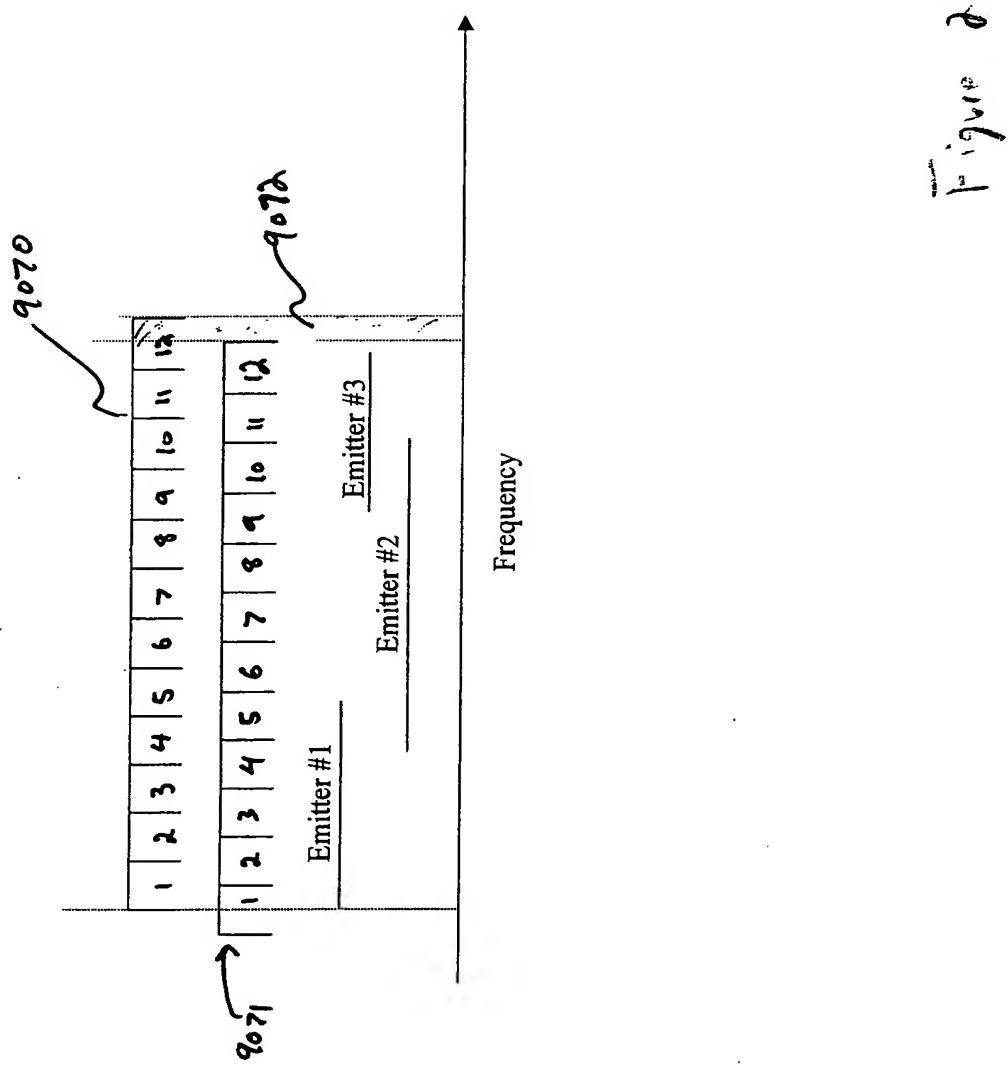


Figure 25

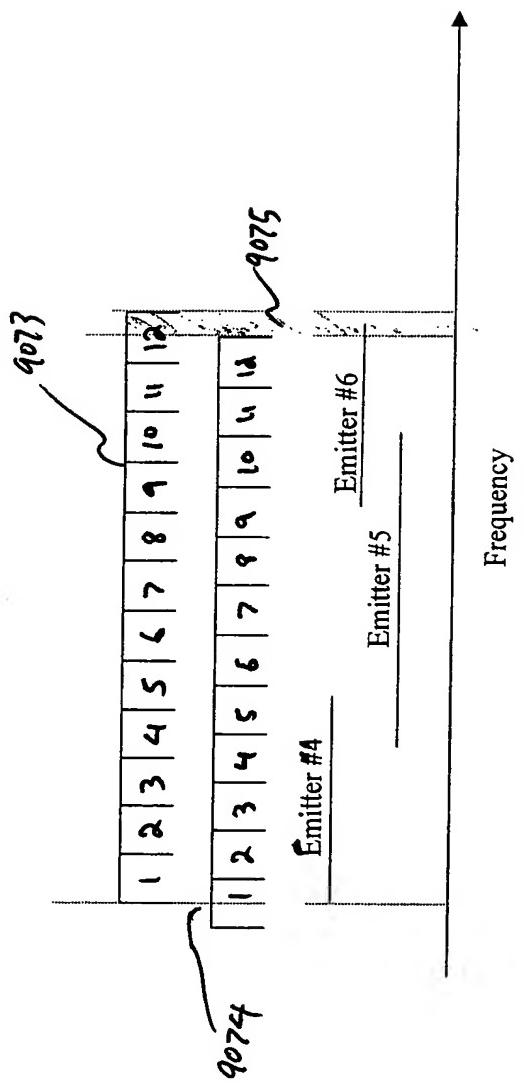


Figure 26

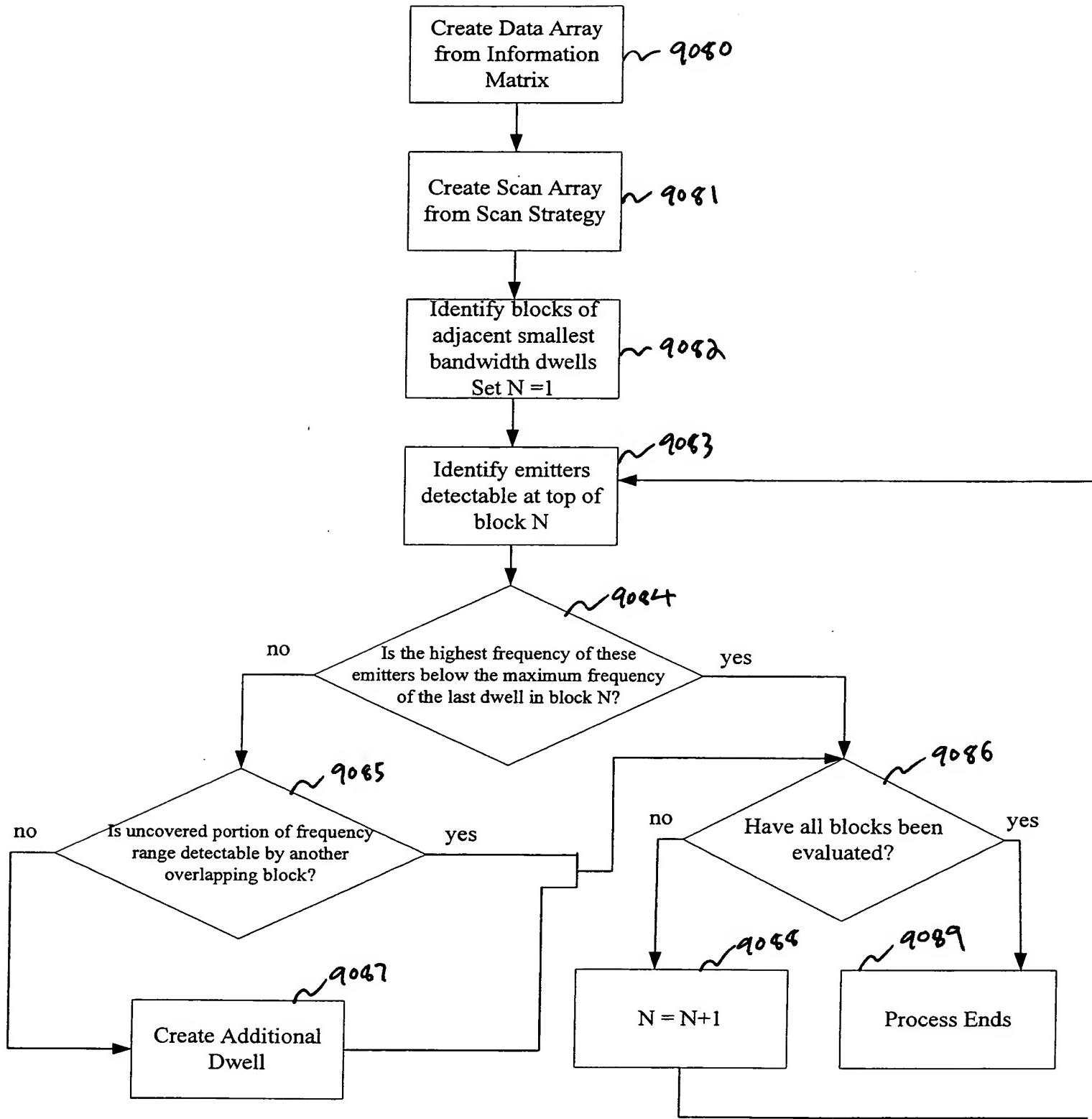


Figure 27

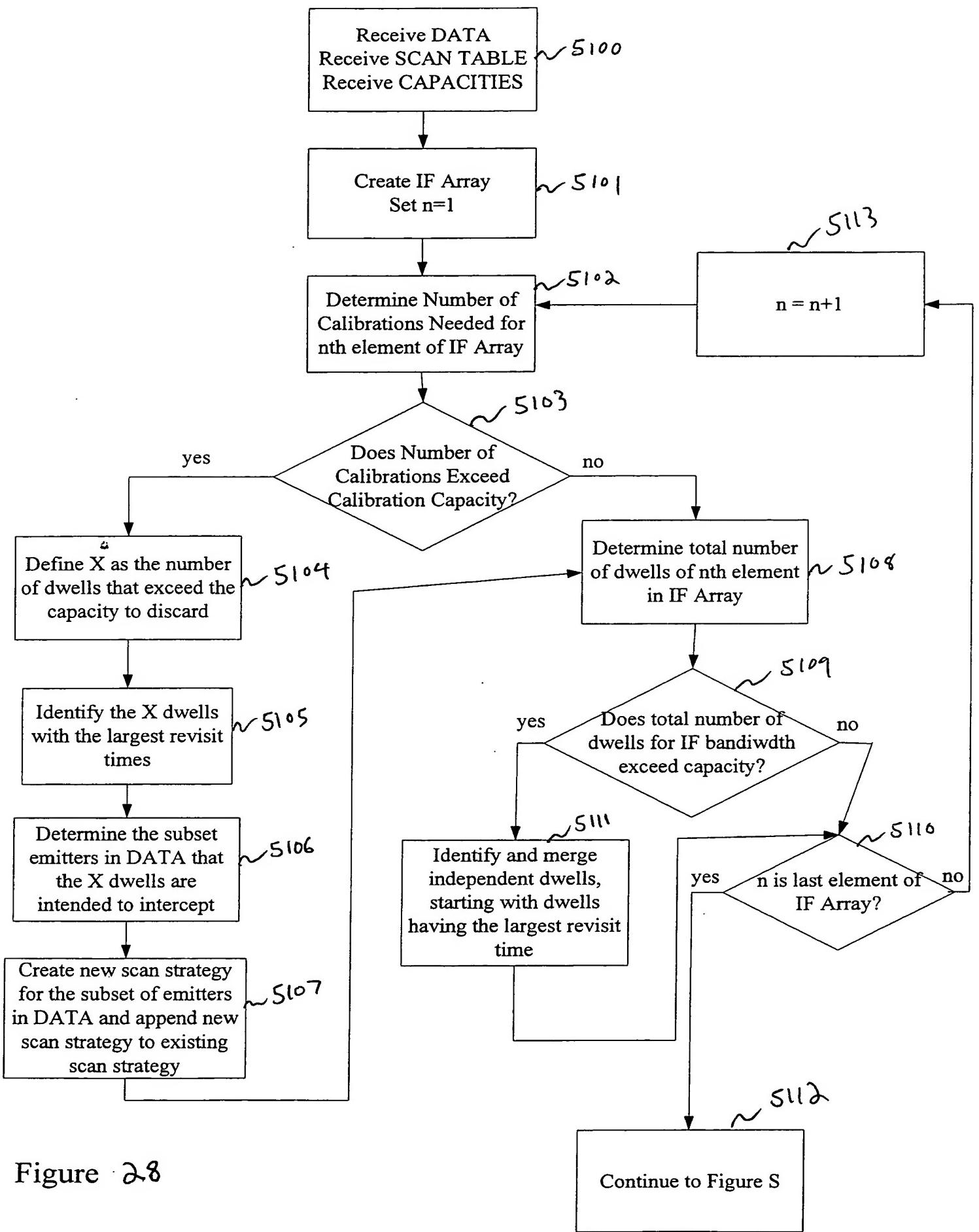


Figure 28

Continue to Figure S

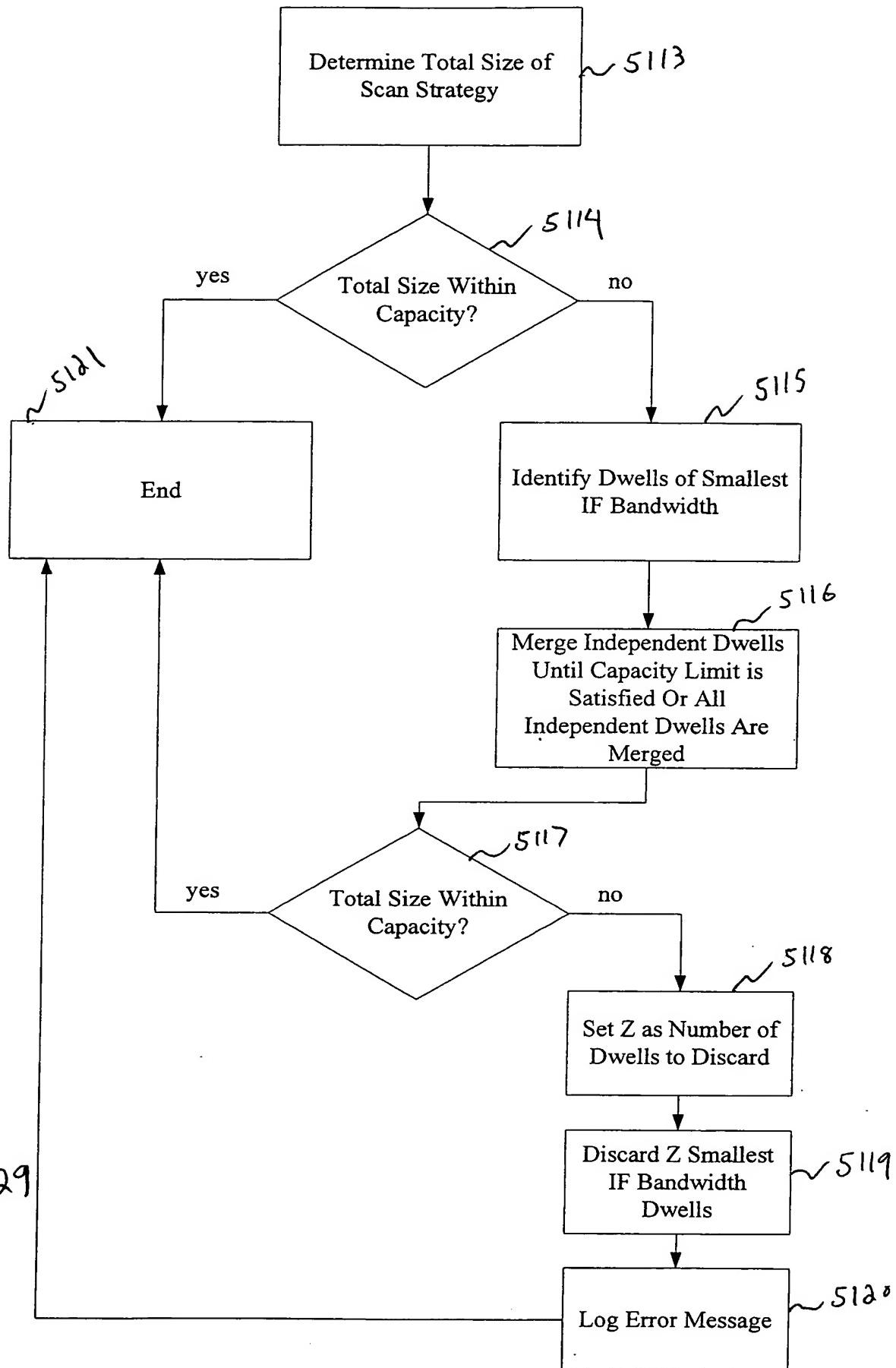


Figure 29

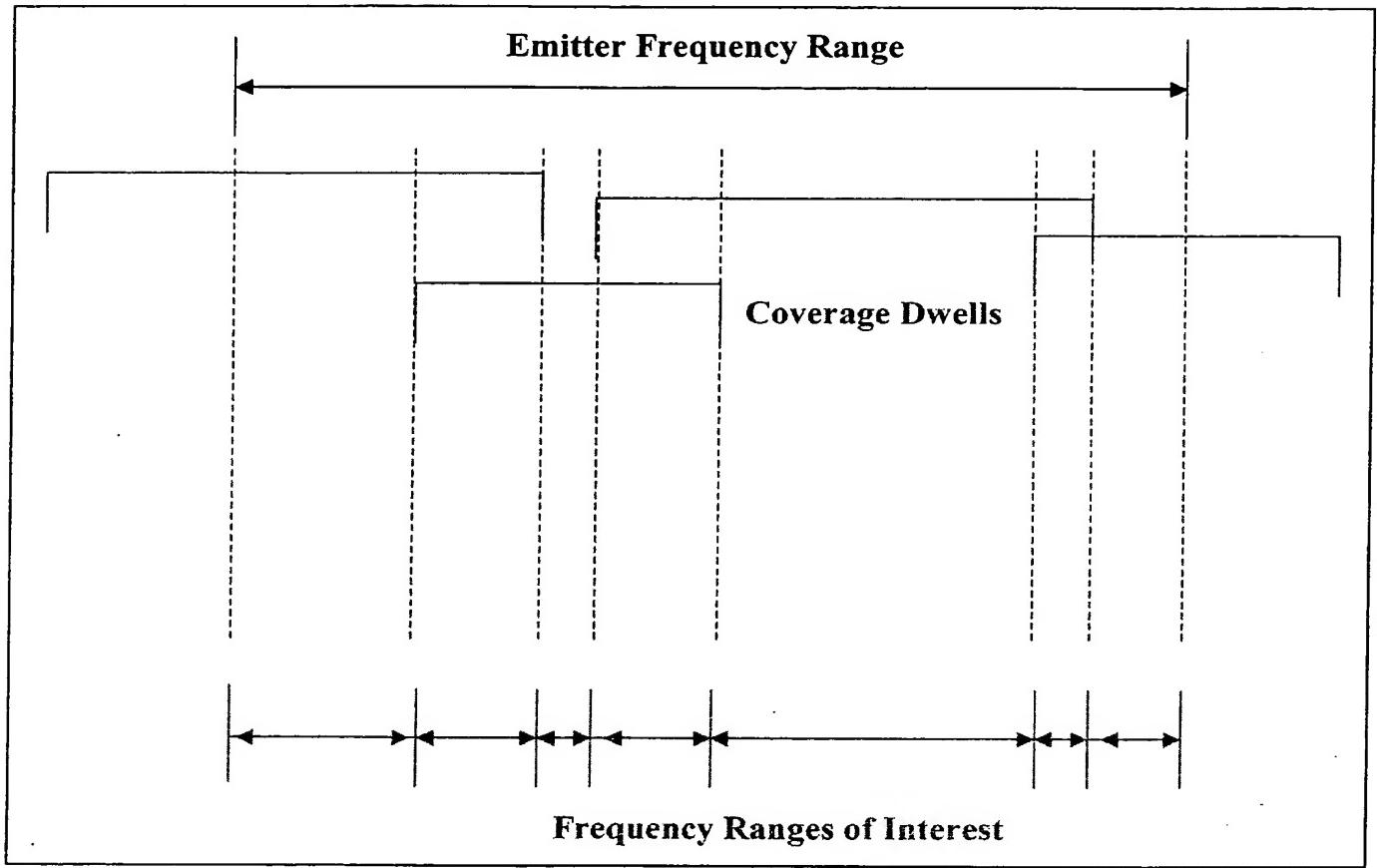


Figure 30

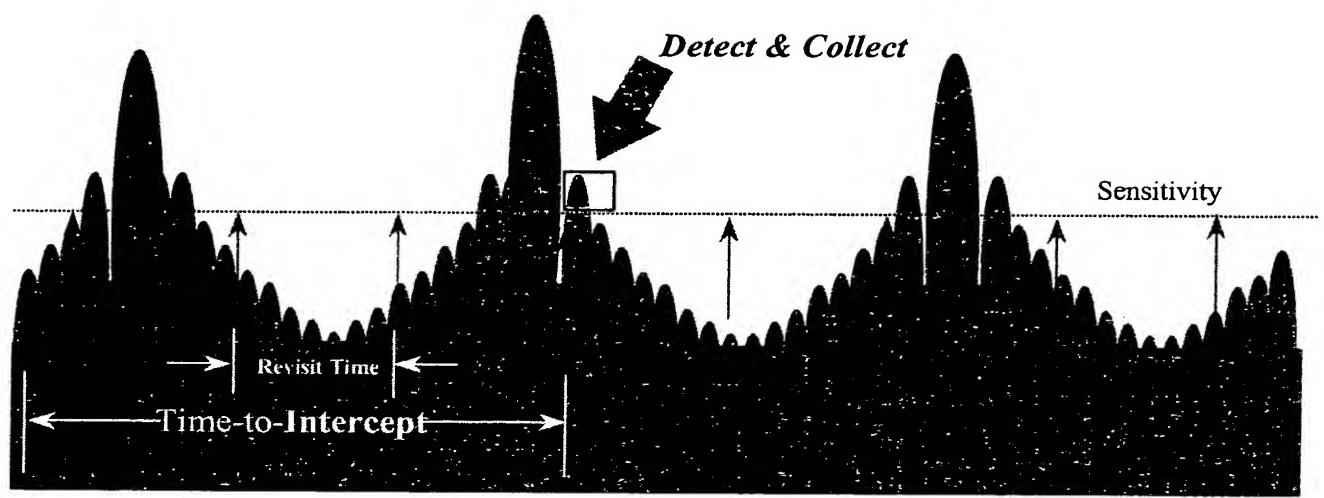


Figure 31

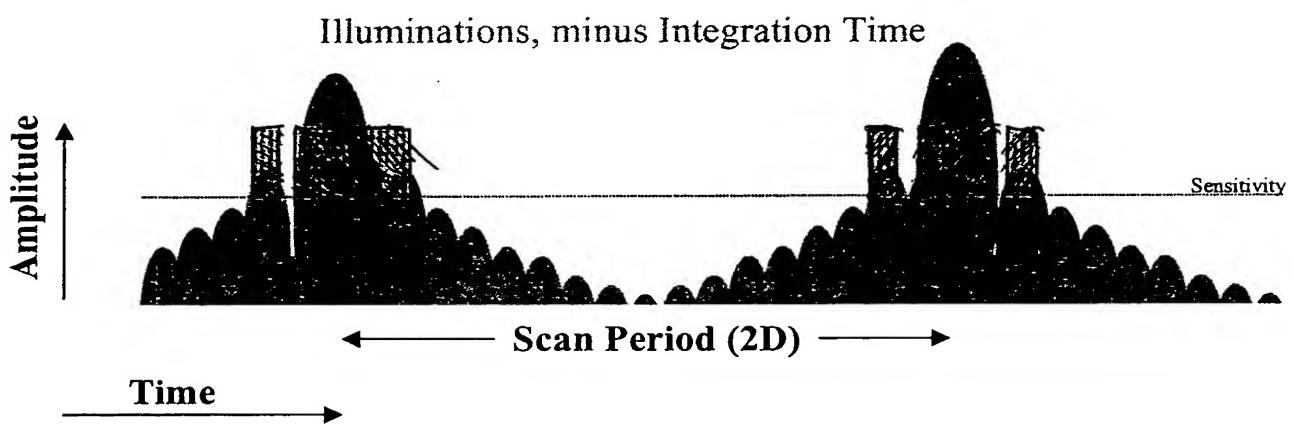


Figure 3d